



18 E. Black Horse Pike
Williamstown, NJ 08094
(609) 561-9323
www.pipingsuppliesinc.com

Machining pipe flanges and specialty machined products for over 50 years

Flange Drilling

Pipe Size	Pressure	Spec	No. Holes	Hole Size	Bolt Circle
1/4	150	MIL-F-20670B	3	9/16	2.125
3/8	150	MIL-F-20670B	3	9/16	2.250
1/2	150	MIL-F-20670B	3	9/16	2.438
3/4	150	MIL-F-20670B	4	9/16	2.688
1	150	MIL-F-20670B	4	9/16	3.125
1-1/4	150	MIL-F-20670B	4	9/16	3.375
1-1/2	150	MIL-F-20670B	6	9/16	3.938
2	150	MIL-F-20670B	6	9/16	4.438
2-1/2	150	MIL-F-20670B	6	9/16	5.000
3	150	MIL-F-20670B	8	9/16	5.500
3-1/2	150	MIL-F-20670B	8	9/16	6.063
4	150	MIL-F-20670B	8	9/16	6.563
4-1/2	150	MIL-F-20670B	10	9/16	7.063
5	150	MIL-F-20670B	10	11/16	7.813
5-1/2	150	MIL-F-20670B	10	11/16	8.313
6	150	MIL-F-20670B	12	11/16	8.875
7	150	MIL-F-20670B	12	11/16	10.000
8	150	MIL-F-20670B	14	11/16	11.063
9	150	MIL-F-20670B	14	13/16	12.375
10	150	MIL-F-20670B	15	13/16	13.438
11	150	MIL-F-20670B	16	13/16	15.000
12	150	MIL-F-20670B	18	13/16	16.063
1/4	150	MIL-PRF-20042F	3	9/16	2.130
3/8	150	MIL-PRF-20042F	3	9/16	2.250
1/2	150	MIL-PRF-20042F	3	9/16	2.440
3/4	150	MIL-PRF-20042F	4	9/16	2.690
1	150	MIL-PRF-20042F	4	9/16	3.130
1-1/4	150	MIL-PRF-20042F	4	9/16	3.380



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Pipe Size	Pressure	Spec	No. Holes	Hole Size	Bolt Circle
1-1/2	150	MIL-PRF-20042F	6	9/16	3.940
2	150	MIL-PRF-20042F	6	9/16	4.440
2-1/2	150	MIL-PRF-20042F	6	9/16	5.000
3	150	MIL-PRF-20042F	8	9/16	5.500
3-1/2	150	MIL-PRF-20042F	8	9/16	6.060
4	150	MIL-PRF-20042F	8	9/16	6.560
4-1/2	150	MIL-PRF-20042F	10	9/16	7.060
5	150	MIL-PRF-20042F	10	11/16	7.810
5-1/2	150	MIL-PRF-20042F	10	11/16	8.310
6	150	MIL-PRF-20042F	12	11/16	8.880
7	150	MIL-PRF-20042F	12	11/16	10.000
8	150	MIL-PRF-20042F	14	11/16	11.060
9	150	MIL-PRF-20042F	14	13/16	12.380
10	150	MIL-PRF-20042F	15	13/16	13.440
11	150	MIL-PRF-20042F	16	13/16	15.000
12	150	MIL-PRF-20042F	18	13/16	16.060
1/4	250	MIL-PRF-20042F	3	9/16	2.130
3/8	250	MIL-PRF-20042F	3	9/16	2.250
1/2	250	MIL-PRF-20042F	3	9/16	2.440
3/4	250	MIL-PRF-20042F	4	9/16	2.690
1	250	MIL-PRF-20042F	4	9/16	3.130
1-1/4	250	MIL-PRF-20042F	4	9/16	3.380
1-1/2	250	MIL-PRF-20042F	6	9/16	3.940
2	250	MIL-PRF-20042F	6	11/16	4.440
2-1/2	250	MIL-PRF-20042F	6	11/16	5.000
3	250	MIL-PRF-20042F	8	11/16	5.500
3-1/2	250	MIL-PRF-20042F	8	11/16	6.060
4	250	MIL-PRF-20042F	8	11/16	6.560



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Pipe Size	Pressure	Spec	No. Holes	Hole Size	Bolt Circle
5	250	MIL-PRF-20042F	10	11/16	7.810
6	250	MIL-PRF-20042F	12	11/16	8.880
8	250	MIL-PRF-20042F	14	11/16	11.060
10	250	MIL-PRF-20042F	15	13/16	13.440
12	250	MIL-PRF-20042F	18	13/16	16.060
1/4	400	MIL-PRF-20042F	3	9/16	2.630
3/8	400	MIL-PRF-20042F	4	9/16	2.750
1/2	400	MIL-PRF-20042F	4	9/16	2.880
3/4	400	MIL-PRF-20042F	4	9/16	3.190
1	400	MIL-PRF-20042F	5	11/16	3.750
1-1/4	400	MIL-PRF-20042F	5	11/16	4.060
1-1/2	400	MIL-PRF-20042F	6	11/16	4.630
2	400	MIL-PRF-20042F	7	11/16	5.190
2-1/2	400	MIL-PRF-20042F	8	13/16	6.000
3	400	MIL-PRF-20042F	8	13/16	6.560
3-1/2	400	MIL-PRF-20042F	9	13/16	7.130
4	400	MIL-PRF-20042F	9	13/16	7.690
4-1/2	400	MIL-PRF-20042F	10	13/16	8.250
5	400	MIL-PRF-20042F	11	13/16	8.810
5-1/2	400	MIL-PRF-20042F	11	15/16	9.630
6	400	MIL-PRF-20042F	12	15/16	10.190
7	400	MIL-PRF-20042F	12	15/16	11.380
8	400	MIL-PRF-20042F	13	1-1/16	12.750
9	400	MIL-PRF-20042F	14	1-1/16	13.880
10	400	MIL-PRF-20042F	15	1-1/16	15.000
1/2	150	ANSI B16.5	4	0.620	2.380
3/4	150	ANSI B16.5	4	0.620	2.750



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Pipe Size	Pressure	Spec	No. Holes	Hole Size	Bolt Circle
1	150	ANSI B16.5	4	0.620	3.120
1-1/4	150	ANSI B16.5	4	0.620	3.500
1-1/2	150	ANSI B16.5	4	0.620	3.880
2	150	ANSI B16.5	4	0.750	4.750
2-1/2	150	ANSI B16.5	4	0.750	5.500
3	150	ANSI B16.5	4	0.750	6.000
3-1/2	150	ANSI B16.5	8	0.750	7.000
4	150	ANSI B16.5	8	0.750	7.500
5	150	ANSI B16.5	8	0.880	8.500
6	150	ANSI B16.5	8	0.880	9.500
8	150	ANSI B16.5	8	0.880	11.750
10	150	ANSI B16.5	12	1.000	14.250
12	150	ANSI B16.5	12	1.000	17.000
14	150	ANSI B16.5	12	1.120	18.750
16	150	ANSI B16.5	16	1.120	21.250
18	150	ANSI B16.5	16	1.250	22.750
20	150	ANSI B16.5	20	1.250	25.000
24	150	ANSI B16.5	20	1.380	29.500
1/2	300	ANSI B16.5	4	0.625	2.620
3/4	300	ANSI B16.5	4	0.750	3.250
1	300	ANSI B16.5	4	0.750	3.500
1-1/4	300	ANSI B16.5	4	0.750	3.880
1-1/2	300	ANSI B16.5	4	0.875	4.500
2	300	ANSI B16.5	8	0.750	5.000
2-1/2	300	ANSI B16.5	8	0.875	5.880
3	300	ANSI B16.5	8	0.875	6.620
3-1/2	300	ANSI B16.5	8	0.875	7.250
4	300	ANSI B16.5	8	0.875	7.880



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Pipe Size	Pressure	Spec	No. Holes	Hole Size	Bolt Circle
5	300	ANSI B16.5	8	0.875	9.250
6	300	ANSI B16.5	12	0.875	10.620
8	300	ANSI B16.5	12	1.000	13.000
10	300	ANSI B16.5	16	1.125	15.250
12	300	ANSI B16.5	16	1.250	17.750
14	300	ANSI B16.5	20	1.250	20.250
16	300	ANSI B16.5	20	1.375	22.500
18	300	ANSI B16.5	24	1.375	24.750
20	300	ANSI B16.5	24	1.375	27.000
24	300	ANSI B16.5	24	1.625	32.000
1/2	600	ANSI B16.5	4	0.625	2.620
3/4	600	ANSI B16.5	4	0.750	3.250
1	600	ANSI B16.5	4	0.750	3.500
1-1/4	600	ANSI B16.5	4	0.750	3.880
1-1/2	600	ANSI B16.5	4	0.875	4.500
2	600	ANSI B16.5	8	0.750	5.000
2-1/2	600	ANSI B16.5	8	0.875	5.880
3	600	ANSI B16.5	8	0.875	6.620
3-1/2	600	ANSI B16.5	8	1.000	7.250
4	600	ANSI B16.5	8	1.000	8.500
5	600	ANSI B16.5	8	1.125	10.500
6	600	ANSI B16.5	12	1.125	11.500
8	600	ANSI B16.5	12	1.250	13.750
10	600	ANSI B16.5	16	1.375	17.000
12	600	ANSI B16.5	20	1.375	19.250
14	600	ANSI B16.5	20	1.500	20.750
16	600	ANSI B16.5	20	1.625	23.750
18	600	ANSI B16.5	20	1.750	25.750



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Pipe Size	Pressure	Spec	No. Holes	Hole Size	Bolt Circle
20	600	ANSI B16.5	24	1.750	28.750
24	600	ANSI B16.5	24	2.000	33.000
1/2	900	ANSI B16.5	4	0.875	3.250
3/4	900	ANSI B16.5	4	0.875	3.500
1	900	ANSI B16.5	4	1.000	4.000
1-1/4	900	ANSI B16.5	4	1.000	4.380
1-1/2	900	ANSI B16.5	4	1.125	4.880
2	900	ANSI B16.5	8	1.000	6.500
2-1/2	900	ANSI B16.5	8	1.125	7.500
3	900	ANSI B16.5	8	1.000	7.500
4	900	ANSI B16.5	8	1.250	9.250
5	900	ANSI B16.5	8	1.375	11.000
6	900	ANSI B16.5	12	1.250	12.500
8	900	ANSI B16.5	12	1.500	15.500
10	900	ANSI B16.5	16	1.500	18.500
12	900	ANSI B16.5	20	1.500	21.000
14	900	ANSI B16.5	20	1.625	22.000
16	900	ANSI B16.5	20	1.750	24.250
18	900	ANSI B16.5	20	2.000	27.000
20	900	ANSI B16.5	20	2.125	29.500
24	900	ANSI B16.5	20	2.625	35.500
1/2	1500	ANSI B16.5	4	0.875	3.250
3/4	1500	ANSI B16.5	4	0.875	3.500
1	1500	ANSI B16.5	4	1.000	4.000
1-1/4	1500	ANSI B16.5	4	1.000	4.380
1-1/2	1500	ANSI B16.5	4	1.125	4.880
2	1500	ANSI B16.5	8	1.000	6.500



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2-1/2	1500	ANSI B16.5	8	1.125	7.500
3	1500	ANSI B16.5	8	1.250	8.000
4	1500	ANSI B16.5	8	1.375	9.500
5	1500	ANSI B16.5	8	1.625	11.500
6	1500	ANSI B16.5	12	1.500	12.500
8	1500	ANSI B16.5	12	1.750	15.500
10	1500	ANSI B16.5	12	2.000	19.000
12	1500	ANSI B16.5	16	2.125	22.500
14	1500	ANSI B16.5	16	2.375	25.000
16	1500	ANSI B16.5	16	2.625	27.750
18	1500	ANSI B16.5	16	2.875	30.500
20	1500	ANSI B16.5	16	3.125	32.750
24	1500	ANSI B16.5	16	3.625	39.000
1/2	2500	ANSI B16.5	4	0.875	3.500
3/4	2500	ANSI B16.5	4	0.875	3.750
1	2500	ANSI B16.5	4	1.000	4.250
1-1/4	2500	ANSI B16.5	4	1.125	5.120
1-1/2	2500	ANSI B16.5	4	1.250	5.750
2	2500	ANSI B16.5	8	1.125	6.750
2-1/2	2500	ANSI B16.5	8	1.250	7.750
3	2500	ANSI B16.5	8	1.375	9.000
4	2500	ANSI B16.5	8	1.625	12.750
5	2500	ANSI B16.5	8	1.875	12.750
6	2500	ANSI B16.5	8	2.125	14.500
8	2500	ANSI B16.5	12	2.125	17.250
10	2500	ANSI B16.5	12	2.625	21.250
12	2500	ANSI B16.5	12	2.875	24.380